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(CS) field  
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CAS REGISTRY  
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM  
thesaurus  
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Taiwanese Content Expanded  
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human  
translated claims for Chinese Applications and  
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|                      | ENTRY      | SESSION |
| FULL ESTIMATED COST  | 0.22       | 0.22    |

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FILE COVERS 1907 - 21 Oct 2009 VOL 151 ISS 17  
FILE LAST UPDATED: 20 Oct 2009 (20091020/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s us20070197759/pn  
L1 1 US20070197759/PN

=> d all 11

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2005:1026976 CAPLUS  
DN 143:326777  
ED Entered STN: 23 Sep 2005  
TI Catalysts for production of polyisocyanates containing isocyanurate groups by partial trimerization of (cyclo)aliphatic diisocyanates  
IN Binder, Horst; Graf, Hubert; Braun, Frank; Spies, Bernd; Kieslich, Heinrich  
PA BASF Aktiengesellschaft, Germany  
SO PCT Int. Appl., 25 pp.  
CODEN: PIXXD2  
DT Patent  
LA German  
IC ICM C08G018-02  
ICS C08G018-79  
CC 35-3 (Chemistry of Synthetic High Polymers)  
Section cross-reference(s): 42, 67  
FAN.CNT 1

|    | PATENT NO.    | KIND   | DATE     | APPLICATION NO. | DATE     |
|----|---------------|--|----------|-----------------|----------|
|    | -----         | ---  | -----    | -----           | -----    |
| PI | WO 2005087828 | A1   | 20050922 | WO 2005-EP2483  | 20050309 |
|    | W:            | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |          |                 |          |
|    | RW:           | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  |          |                 |          |

EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,  
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
MR, NE, SN, TD, TG

|  |    |          |                      |              |
|--|----|----------|----------------------|--------------|
| DE 102004012571  | A1 | 20050929 | DE 2004-102004012571 | 20040312     |
| EP 1727842   | A1 | 20061206 | EP 2005-715873       | 20050309     |
| EP 1727842   | B1 | 20081217 |                      |              |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,<br>IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR |    |          |                      |              |
| CN 1930200   | A  | 20070314 | CN 2005-80007924     | 20050309     |
| JP 2007528885  | T  | 20071018 | JP 2007-502286       | 20050309     |
| AT 417876  | T  | 20090115 | AT 2005-715873       | 20050309     |
| US 20070197759   | A1 | 20070823 | US 2006-589659       | 20060816 <-- |
| PRAI DE 2004-102004012571  | A  | 20040312 |                      |              |
| WO 2005-EP2483   | W  | 20050309 |                      |              |

# CLASS

| PATENT NO.      | CLASS | PATENT FAMILY CLASSIFICATION CODES  |
|-----------------|-------|---|
| WO 2005087828   | ICM   | C08G018-02  |
|                 | ICS   | C08G018-79  |
|                 | IPCI  | C08G0018-02 [ICM,7]; C08G0018-79 [ICS,7]; C08G0018-00 [ICS,7,C*]  |
|                 | IPCR  | C08G0018-00 [I,C*]; C08G0018-02 [I,A]; C08G0018-08 [I,A]; C08G0018-18 [I,A]; C08G0018-79 [I,A]  |
|                 | ECLA  | C08G018/02D; C08G018/08M; C08G018/18R   |
| DE 102004012571 | IPCI  | C08G0018-02 [ICM,7]; C08G0018-00 [ICM,7,C*]; B01J0031-04 [ICS,7]  |
|                 | IPCR  | C08G0018-00 [I,C*]; C08G0018-02 [I,A]; C08G0018-08 [I,A]; C08G0018-18 [I,A]; C08G0018-79 [I,A]  |
|                 | ECLA  | C08G018/02D; C08G018/08M; C08G018/18R   |
| EP 1727842      | IPCI  | C08G0018-02 [I,A]; C08G0018-79 [I,A]; C08G0018-00 [I,C]   |
|                 | IPCR  | C08G0018-00 [I,C]; C08G0018-02 [I,A]; C08G0018-08 [I,A]; C08G0018-18 [I,A]; C08G0018-79 [I,A]   |
|                 | ECLA  | C08G018/02D; C08G018/08M; C08G018/18R   |
| CN 1930200      | IPCI  | C08G0018-02 [I,A]; C08G0018-79 [I,A]; C08G0018-00 [I,C*]  |
|                 | IPCR  | C08G0018-00 [I,C]; C08G0018-02 [I,A]; C08G0018-08 [I,A]; C08G0018-18 [I,A]; C08G0018-79 [I,A]   |
|                 | ECLA  | C08G018/02D; C08G018/08M; C08G018/18R   |
| JP 2007528885   | IPCI  | C07D0251-34 [I,A]; C07D0251-00 [I,C*]; C08G0018-02 [I,A]; C08G0018-00 [I,C*]; C07B0061-00 [N,A]   |
|                 | IPCR  | C07D0251-00 [I,C]; C07D0251-34 [I,A]; C07B0061-00 [N,C]; C07B0061-00 [N,A]; C08G0018-00 [I,C]; C08G0018-02 [I,A]; C08G0018-08 [I,A]; C08G0018-18 [I,A]; C08G0018-79 [I,A] |
|                 | ECLA  | C08G018/02D; C08G018/08M; C08G018/18R   |
|                 | FTERM | 4H039/CA42; 4H039/CL10; 4J034/AA04; 4J034/HC35; 4J034/KA01  |
| AT 417876       | IPCI  | C08G0018-00 [I,C]; C08G0018-02 [I,A]; C08G0018-79 [I,A]   |
|                 | IPCR  | C08G0018-00 [I,C]; C08G0018-02 [I,A]; C08G0018-08 [I,A]; C08G0018-18 [I,A]; C08G0018-79 [I,A]   |
|                 | ECLA  | C08G018/02D; C08G018/08M; C08G018/18R   |
| US 20070197759  | IPCI  | C08G0018-81 [I,A]; C08G0018-00 [I,C*]   |
|                 | NCL   | 528/045.000; 540/202.000  |

OS MARPAT 143:326777

AB The title catalysts, giving essentially colorless products with good quality and reproducibility, are quaternary ammonium  $\alpha$ -hydroxycarboxylates of specified structure. Stirring 100 g HMDI with 50 ppm tetramethylammonium 2-hydroxypropionate at 80° for 30 min (NCO value 27%), terminating reaction with bis(2-ethylhexyl) phosphate, and thin-film stripping at 140° gave a product with NCO value 19.0% and Hazen color number 30.

ST catalyst trimerization diisocyanate; quaternary ammonium

hydroxycarboxylate catalyst trimerization; tetramethylammonium  
hydroxypropionate catalyst trimerization; HMDI trimerization catalyst;  
polyisocyanate isocyanurate deriv manuf catalyst; coating weather  
resistant polyurethane manuf

IT Polyurethanes, preparation  
RL: IMF (Industrial manufacture); TEM (Technical or engineered material  
use); PREP (Preparation); USES (Uses)  
(coatings; catalysts for production of polyisocyanates containing  
isocyanurate  
groups for use in polyurethane coatings)

IT Carboxylic acids, uses  
RL: CAT (Catalyst use); USES (Uses)  
(hydroxy, quaternary ammonium salts; catalysts for production of  
polyisocyanates containing isocyanurate groups by partial trimerization of  
(cyclo)aliphatic diisocyanates)

IT Trimerization catalysts  
(tetraalkylammonium  $\alpha$ -hydroxycarboxylates; catalysts for production  
of polyisocyanates containing isocyanurate groups by partial trimerization  
of (cyclo)aliphatic diisocyanates)

IT Coating materials  
(weather-resistant, polyurethanes; catalysts for production of  
polyisocyanates containing isocyanurate groups for use in polyurethane  
coatings)

IT Quaternary ammonium compounds, uses  
RL: CAT (Catalyst use); USES (Uses)  
( $\alpha$ -hydroxycarboxylates; catalysts for production of polyisocyanates  
containing isocyanurate groups by partial trimerization of (cyclo)aliphatic  
diisocyanates)

IT 114434-89-8 865060-95-3 865060-96-4  
RL: CAT (Catalyst use); USES (Uses)  
(catalysts for production of polyisocyanates containing isocyanurate groups  
by  
partial trimerization of (cyclo)aliphatic diisocyanates)

IT 28574-90-5DP, HMDI trimer, isocyanurate group-containing 53895-32-2DP, IPDI  
trimer, isocyanurate group-containing  
RL: IMF (Industrial manufacture); PRP (Properties); PREP (Preparation)  
(catalysts for production of polyisocyanates containing isocyanurate groups  
by  
partial trimerization of (cyclo)aliphatic diisocyanates)

IT 822-06-0, HMDI 4098-71-9, IPDI  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(catalysts for production of polyisocyanates containing isocyanurate groups  
by  
partial trimerization of (cyclo)aliphatic diisocyanates)

OSC.G 1 THERE ARE 1 CAPLUSRECORDS THAT CITE THIS RECORD (1 CITINGS)  
UPOS.G Date last citing reference entered STN: 13 Jul 2009  
OS.G CAPLUS 2009:792966  
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
RE CITED REFERENCES  
(1) Air Products And Chemicals; DE 2631733 A1 1977 CAPLUS  
(2) Basf Aktiengesellschaft; EP 0630928 A 1994 CAPLUS  
(3) Katz; US 5691440 A 1997 CAPLUS

=> file reg

COST IN U.S. DOLLARS

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|------------|---------|
| SINCE FILE | TOTAL   |
| ENTRY      | SESSION |
| 6.12       | 6.34    |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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| SINCE FILE | TOTAL   |
| ENTRY      | SESSION |
| -0.82      | -0.82   |

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STRUCTURE FILE UPDATES: 19 OCT 2009 HIGHEST RN 1189088-37-6  
DICTIONARY FILE UPDATES: 19 OCT 2009 HIGHEST RN 1189088-37-6

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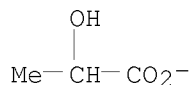
=> s 114434-89-8/rn  
L2 1 114434-89-8/RN

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 114434-89-8 REGISTRY  
ED Entered STN: 14 May 1988  
CN Methanaminium, N,N,N-trimethyl-, 2-hydroxypropanoate (1:1) (CA INDEX  
NAME)  
OTHER CA INDEX NAMES:  
CN Methanaminium, N,N,N-trimethyl-, salt with 2-hydroxypropanoic acid (1:1)  
(9CI)  
CN Propanoic acid, 2-hydroxy-, ion(1-), N,N,N-trimethylmethanaminium (9CI)  
OTHER NAMES:  
CN Tetramethylammonium lactate  
MF C4 H12 N . C3 H5 O3  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

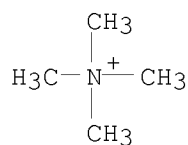
CM 1

CRN 113-21-3  
CMF C3 H5 O3



CM 2

CRN 51-92-3  
CMF C4 H12 N



13 REFERENCES IN FILE CA (1907 TO DATE)  
13 REFERENCES IN FILE CAPLUS (1907 TO DATE)

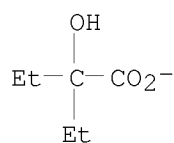
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L3 1 865060-95-3/RN

=> d 13

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 865060-95-3 REGISTRY  
ED Entered STN: 11 Oct 2005  
CN Methanaminium, N,N,N-trimethyl-, 2-ethyl-2-hydroxybutanoate (1:1) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Methanaminium, N,N,N-trimethyl-, salt with 2-ethyl-2-hydroxybutanoic acid (1:1) (9CI)  
MF C6 H11 O3 . C4 H12 N  
SR CA  
LC STN Files: CA, CAPLUS

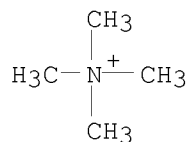
CM 1

CRN 114332-28-4  
CMF C6 H11 O3



CM 2

CRN 51-92-3  
CMF C4 H12 N



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 865060-96-4/rn

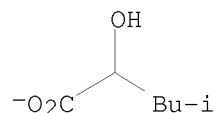
L4 1 865060-96-4/RN

=> d 14

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 865060-96-4 REGISTRY  
ED Entered STN: 11 Oct 2005  
CN Methanaminium, N,N,N-trimethyl-, 2-hydroxy-4-methylpentanoate (1:1) (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Methanaminium, N,N,N-trimethyl-, salt with 2-hydroxy-4-methylpentanoic  
acid (1:1) (9CI)  
MF C6 H11 O3 . C4 H12 N  
SR CA  
LC STN Files: CA, CAPLUS

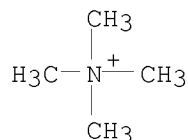
CM 1

CRN 117973-48-5  
CMF C6 H11 O3



CM 2

CRN 51-92-3  
CMF C4 H12 N



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

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|--|---------------------|------------------|
| FULL ESTIMATED COST                        | 9.51                | 15.85            |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE<br>ENTRY | TOTAL<br>SESSION |
| CA SUBSCRIBER PRICE                        | 0.00                | -0.82            |

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FILE COVERS 1907 - 21 Oct 2009 VOL 151 ISS 17  
FILE LAST UPDATED: 20 Oct 2009 (20091020/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12

L5 13 L2

=> d 15

L5 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2008:1118207 CAPLUS  
DN 149:366326  
TI Phenolic polymers and photoresists comprising same  
IN Cameron, James F.  
PA Rohm and Haas Electronic Materials, L.L.C., USA  
SO Eur. Pat. Appl., 19pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|---|------|----------|------------------|----------|
| PI   | EP 1970762  | A1   | 20080917 | EP 2008-250839   | 20080312 |
|      | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS |      |          |                  |          |
|      | JP 2008287223   | A    | 20081127 | JP 2008-60772    | 20080311 |
|      | KR 2008083599   | A    | 20080918 | KR 2008-22811    | 20080312 |
|      | US 20080227031  | A1   | 20080918 | US 2008-75726    | 20080312 |
|      | CN 101303526  | A    | 20081112 | CN 2008-10109247 | 20080312 |
| PRAI | US 2007-906352P   | P    | 20070312 |                  |          |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 15 and (isocyanate or polyisocyanate or diisocyanate or triisocyanate)  
74357 ISOCYANATE  
24430 ISOCYANATES  
84062 ISOCYANATE  
(ISOCYANATE OR ISOCYANATES)  
21547 POLYISOCYANATE



18477 POLYISOCYANATES  
 32238 POLYISOCYANATE  
 (POLYISOCYANATE OR POLYISOCYANATES)  
 55015 DIISOCYANATE  
 11551 DIISOCYANATES  
 59250 DIISOCYANATE  
 (DIISOCYANATE OR DIISOCYANATES)  
 1296 TRIISOCYANATE  
 297 TRIISOCYANATES  
 1469 TRIISOCYANATE  
 (TRIISOCYANATE OR TRIISOCYANATES)

L6 1 L5 AND (ISOCYANATE OR POLYISOCYANATE OR DIISOCYANATE OR TRIISOCYANATE)

=> d 16

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2005:1026976 CAPLUS

DN 143:326777

TI Catalysts for production of polyisocyanates containing  
 isocyanurate groups by partial trimerization of (cyclo)aliphatic  
 diisocyanates

IN Binder, Horst; Graf, Hubert; Braun, Frank; Spies, Bernd; Kieslich,  
 Heinrich

PA BASF Aktiengesellschaft, Germany

SO PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO.      | DATE     |
|------|---|------|----------|----------------------|----------|
| PI   | WO 2005087828   | A1   | 20050922 | WO 2005-EP2483       | 20050309 |
|      | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                      |          |
|      | RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |      |          |                      |          |
|      | DE 102004012571   | A1   | 20050929 | DE 2004-102004012571 | 20040312 |
|      | EP 1727842  | A1   | 20061206 | EP 2005-715873       | 20050309 |
|      | EP 1727842  | B1   | 20081217 |                      |          |
|      | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR   |      |          |                      |          |
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|      | JP 2007528885   | T    | 20071018 | JP 2007-502286       | 20050309 |
|      | AT 417876   | T    | 20090115 | AT 2005-715873       | 20050309 |
|      | US 20070197759  | A1   | 20070823 | US 2006-589659       | 20060816 |
| PRAI | DE 2004-102004012571  | A    | 20040312 |                      |          |
|      | WO 2005-EP2483  | W    | 20050309 |                      |          |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 143:326777

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 15 1

L5 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2008:1118207 CAPLUS  
DN 149:366326  
TI Phenolic polymers and photoresists comprising same  
IN Cameron, James F.  
PA Rohm and Haas Electronic Materials, L.L.C., USA  
SO Eur. Pat. Appl., 19pp.  
CODEN: EPXXDW

DT Patent  
LA English

FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|---|------|----------|------------------|----------|
|      | -----   | ---- | -----    | -----            | -----    |
| PI   | EP 1970762  | A1   | 20080917 | EP 2008-250839   | 20080312 |
|      | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,<br>IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI,<br>SK, TR, AL, BA, MK, RS |      |          |                  |          |
|      | JP 2008287223   | A    | 20081127 | JP 2008-60772    | 20080311 |
|      | KR 2008083599   | A    | 20080918 | KR 2008-22811    | 20080312 |
|      | US 20080227031  | A1   | 20080918 | US 2008-75726    | 20080312 |
|      | CN 101303526  | A    | 20081112 | CN 2008-10109247 | 20080312 |
| PRAI | US 2007-906352P   | P    | 20070312 |                  |          |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 15 2

L5 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2006:540086 CAPLUS  
DN 145:53314  
TI Photoresist compositions containing an acid reaction component  
IN Mintz, Joan M.; Kaufman, Michael J.; Jessiman, Norman S.  
PA Rohm and Haas Electronic Materials, L.L.C., USA  
SO Eur. Pat. Appl., 12 pp.  
CODEN: EPXXDW

DT Patent  
LA English

FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|---|------|----------|------------------|----------|
|      | -----   | ---- | -----    | -----            | -----    |
| PI   | EP 1666968  | A1   | 20060607 | EP 2005-257252   | 20051125 |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK,<br>BA, HR, IS, YU |      |          |                  |          |
|      | JP 2006163387   | A    | 20060622 | JP 2005-339195   | 20051124 |
|      | KR 2006063711   | A    | 20060612 | KR 2005-117254   | 20051202 |
|      | CN 1811595  | A    | 20060802 | CN 2005-10128887 | 20051205 |
|      | US 20060172225  | A1   | 20060803 | US 2005-294816   | 20051206 |
|      | US 7498115  | B2   | 20090303 |                  |          |
| PRAI | US 2004-633923P   | P    | 20041206 |                  |          |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)  
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 13

L7 1 L3

=> s 14  
L8 1 L4

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|--|------------------|---------------|
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| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE                        | 0.00             | -0.82         |

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STRUCTURE FILE UPDATES: 19 OCT 2009 HIGHEST RN 1189088-37-6  
DICTIONARY FILE UPDATES: 19 OCT 2009 HIGHEST RN 1189088-37-6

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s 113-21-3/crn  
L9 221 113-21-3/CRN

=> s 51-92-3/crn  
L10 9665 51-92-3/CRN

=> s 114332-28-4/crn  
L11 1 114332-28-4/CRN

=> s 117973-48-5/crn  
L12 1 117973-48-5/CRN

=> d 111

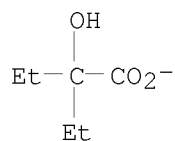
L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 865060-95-3 REGISTRY  
ED Entered STN: 11 Oct 2005  
CN Methanaminium, N,N,N-trimethyl-, 2-ethyl-2-hydroxybutanoate (1:1) (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Methanaminium, N,N,N-trimethyl-, salt with 2-ethyl-2-hydroxybutanoic acid  
(1:1) (9CI)  
MF C6 H11 O3 . C4 H12 N  
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 114332-28-4

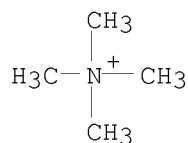
CMF C6 H11 O3



CM 2

CRN 51-92-3

CMF C4 H12 N



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s (l11 or l12 or l9) and l10

L13 3 (L11 OR L12 OR L9) AND L10

=> d l13

L13 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2009 ACS on STN

RN 865060-96-4 REGISTRY

ED Entered STN: 11 Oct 2005

CN Methanaminium, N,N,N-trimethyl-, 2-hydroxy-4-methylpentanoate (1:1) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Methanaminium, N,N,N-trimethyl-, salt with 2-hydroxy-4-methylpentanoic acid (1:1) (9CI)

MF C6 H11 O3 . C4 H12 N

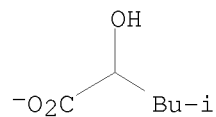
SR CA

LC STN Files: CA, CAPLUS

CM 1

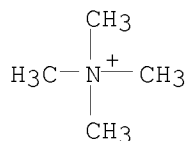
CRN 117973-48-5

CMF C6 H11 O3



CM 2

CRN 51-92-3  
CMF C4 H12 N



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

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|--|------------------|---------------|
| COST IN U.S. DOLLARS                       | SINCE FILE ENTRY | TOTAL SESSION |
| FULL ESTIMATED COST                        | 5.06             | 35.87         |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE                        | 0.00             | -0.82         |

FILE 'CAPLUS' ENTERED AT 11:39:16 ON 21 OCT 2009  
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FILE COVERS 1907 - 21 Oct 2009 VOL 151 ISS 17  
FILE LAST UPDATED: 20 Oct 2009 (20091020/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (19 or 111 or 112) and 110  
390 L9  
1 L11  
1 L12

22201 L10

L14 20 (L9 OR L11 OR L12) AND L10

=> d 114

L14 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2008:1118207 CAPLUS

DN 149:366326

TI Phenolic polymers and photoresists comprising same

IN Cameron, James F.

PA Rohm and Haas Electronic Materials, L.L.C., USA

SO Eur. Pat. Appl., 19pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|---|------|----------|------------------|----------|
|      | -----   | ---  | -----    | -----            | -----    |
| PI   | EP 1970762  | A1   | 20080917 | EP 2008-250839   | 20080312 |
|      | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,<br>IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI,<br>SK, TR, AL, BA, MK, RS |      |          |                  |          |
|      | JP 2008287223   | A    | 20081127 | JP 2008-60772    | 20080311 |
|      | KR 2008083599   | A    | 20080918 | KR 2008-22811    | 20080312 |
|      | US 20080227031  | A1   | 20080918 | US 2008-75726    | 20080312 |
|      | CN 101303526  | A    | 20081112 | CN 2008-10109247 | 20080312 |
| PRAI | US 2007-906352P   | P    | 20070312 |                  |          |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 114 2

L14 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2006:540086 CAPLUS

DN 145:53314

TI Photoresist compositions containing an acid reaction component

IN Mintz, Joan M.; Kaufman, Michael J.; Jessiman, Norman S.

PA Rohm and Haas Electronic Materials, L.L.C., USA

SO Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|---|------|----------|------------------|----------|
|      | -----   | ---  | -----    | -----            | -----    |
| PI   | EP 1666968  | A1   | 20060607 | EP 2005-257252   | 20051125 |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK,<br>BA, HR, IS, YU |      |          |                  |          |
|      | JP 2006163387   | A    | 20060622 | JP 2005-339195   | 20051124 |
|      | KR 2006063711   | A    | 20060612 | KR 2005-117254   | 20051202 |
|      | CN 1811595  | A    | 20060802 | CN 2005-10128887 | 20051205 |
|      | US 20060172225  | A1   | 20060803 | US 2005-294816   | 20051206 |
|      | US 7498115  | B2   | 20090303 |                  |          |
| PRAI | US 2004-633923P   | P    | 20041206 |                  |          |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> s 114 and (polyisocyanate or isocyanate or diisocyanate or triisocyanate)
21547 POLYISOCYANATE
18477 POLYISOCYANATES
32238 POLYISOCYANATE
(POLYISOCYANATE OR POLYISOCYANATES)
74357 ISOCYANATE
24430 ISOCYANATES
84062 ISOCYANATE
(ISOCYANATE OR ISOCYANATES)
55015 DIISOCYANATE
11551 DIISOCYANATES
59250 DIISOCYANATE
(DIISOCYANATE OR DIISOCYANATES)
1296 TRIISOCYANATE
297 TRIISOCYANATES
1469 TRIISOCYANATE
(TRIISOCYANATE OR TRIISOCYANATES)
L15      1 L14 AND (POLYISOCYANATE OR ISOCYANATE OR DIISOCYANATE OR TRIISOC
YANATE)
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=> d 115
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L15 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:1026976 CAPLUS
DN 143:326777
TI Catalysts for production of polyisocyanates containing
isocyanurate groups by partial trimerization of (cyclo)aliphatic
diisocyanates
IN Binder, Horst; Graf, Hubert; Braun, Frank; Spies, Bernd; Kieslich,
Heinrich
PA BASF Aktiengesellschaft, Germany
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1
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|      | PATENT NO.           | KIND   | DATE     | APPLICATION NO.      | DATE     |
|------|----------------------|--|----------|----------------------|----------|
| PI   | WO 2005087828        | A1   | 20050922 | WO 2005-EP2483       | 20050309 |
|      | W:                   | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |          |                      |          |
|      | RW:                  | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |          |                      |          |
|      | DE 102004012571      | A1   | 20050929 | DE 2004-102004012571 | 20040312 |
|      | EP 1727842           | A1   | 20061206 | EP 2005-715873       | 20050309 |
|      | EP 1727842           | B1   | 20081217 |                      |          |
|      | R:                   | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR   |          |                      |          |
|      | CN 1930200           | A  | 20070314 | CN 2005-80007924     | 20050309 |
|      | JP 2007528885        | T  | 20071018 | JP 2007-502286       | 20050309 |
|      | AT 417876            | T  | 20090115 | AT 2005-715873       | 20050309 |
|      | US 20070197759       | A1   | 20070823 | US 2006-589659       | 20060816 |
| PRAI | DE 2004-102004012571 | A  | 20040312 |                      |          |
|      | WO 2005-EP2483       | W  | 20050309 |                      |          |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 143:326777

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 16.71            | 52.58         |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| CA SUBSCRIBER PRICE                        | 0.00             | -0.82         |

FILE 'REGISTRY' ENTERED AT 11:44:21 ON 21 OCT 2009

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STRUCTURE FILE UPDATES: 19 OCT 2009 HIGHEST RN 1189088-37-6

DICTIONARY FILE UPDATES: 19 OCT 2009 HIGHEST RN 1189088-37-6

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s tetraocylammonium  
L16 0 TETRAOCYLAMMONIUM

=> s octly ammonium  
0 OCTLY  
101517 AMMONIUM  
L17 0 OCTLY AMMONIUM  
(OCTLY(W)AMMONIUM)

=> s tetraoctlyammonium  
L18 0 TETRAOCTLYAMMONIUM

=> s octyl ammonium  
289911 OCTYL  
101517 AMMONIUM  
L19 518 OCTYL AMMONIUM  
(OCTYL(W)AMMONIUM)

=> s octlyammonium  
L20 0 OCTLYAMMONIUM



=> s octylammonium  
L21 483 OCTYLAMMONIUM

=> s tetra octylammonium  
4583462 TETRA  
15 TETRAS  
4583462 TETRA  
(TETRA OR TETRAS)  
483 OCTYLAMMONIUM  
L22 66 TETRA OCTYLAMMONIUM  
(TETRA(W)OCTYLAMMONIUM)

=> d 122

L22 ANSWER 1 OF 66 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1163300-49-9 REGISTRY  
ED Entered STN: 15 Jul 2009  
CN 1-Octanaminium, N,N,N-trioctyl-, salt with benzenemethanol (1:1) (CA  
INDEX NAME)

OTHER NAMES:

CN Tetraoctylammonium benzylate  
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SR CA  
LC STN Files: CA, CAPLUS

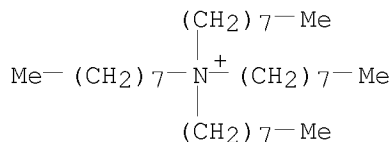
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CRN 45581-66-6  
CMF C7 H7 O

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CM 2

CRN 19524-73-3  
CMF C32 H68 N



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L23 266 19524-73-3/CRN

=> s tetramethylammonium  
L24 1684 TETRAMETHYLAMMONIUM

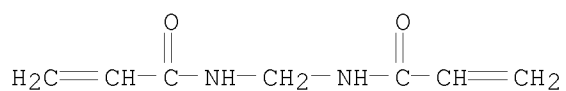
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L24 ANSWER 1 OF 1684 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1161830-93-8 REGISTRY

ED Entered STN: 10 Jul 2009  
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 N,N'-methylenebis[2-propenamide] and 2-propenoic acid (CA INDEX NAME)  
 OTHER NAMES:  
 CN Acrylic acid-tetramethylammonium methacrylate-methylenebisacrylamide  
 copolymer  
 MF (C7 H10 N2 O2 . C4 H12 N . C4 H5 O2 . C3 H4 O2)x  
 CI PMS  
 PCT Polyacrylic, Polyether  
 SR CA  
 LC STN Files: CA, CAPLUS

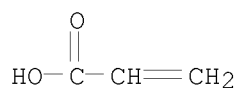
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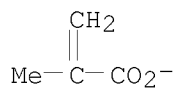


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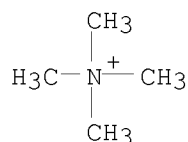
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CRN 18358-13-9  
 CMF C4 H5 O2



CM 5

CRN 51-92-3  
 CMF C4 H12 N



1 REFERENCES IN FILE CA (1907 TO DATE)  
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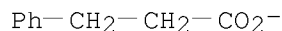
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L25 2012 TETRAETHYLAMMONIUM

=> d 125

L25 ANSWER 1 OF 2012 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1176164-58-1 REGISTRY  
ED Entered STN: 26 Aug 2009  
CN Ethanaminium, N,N,N-triethyl-, benzenepropanoic acid (1:1) (CA INDEX NAME)  
OTHER NAMES:  
CN Tetraethylammonium 3-phenylpropanoate  
MF C9 H9 O2 . C8 H20 N  
SR CA  
LC STN Files: CA, CAPLUS

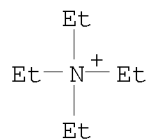
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CRN 826-17-5  
CMF C9 H9 O2



CM 2

CRN 66-40-0  
CMF C8 H20 N



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L26 1830 TETRABUTYLAMMONIUM

=> d 126

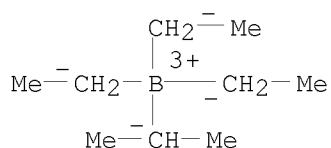
L26 ANSWER 1 OF 1830 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 1086118-65-1 REGISTRY  
 ED Entered STN: 18 Dec 2008  
 CN 1-Butanaminium, N,N,N-tributyl-, (T-4)-triethyl(1-methylethyl)borate(1-)  
 (1:1) (CA INDEX NAME)

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 SR CA  
 LC STN Files: CA, CAPLUS

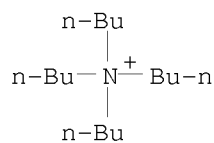
CM 1

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 CCI CCS



CM 2

CRN 10549-76-5  
 CMF C16 H36 N



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s trimethylbenzylammonium  
 L27 15 TRIMETHYLBENZYLAMMONIUM

=> d 127

L27 ANSWER 1 OF 15 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 375814-53-2 REGISTRY  
 ED Entered STN: 17 Dec 2001  
 CN Benzenemethanaminium, N,N,N-trimethyl-, chloriodoiodate(1-) (9CI) (CA  
 INDEX NAME)

OTHER NAMES:

CN Trimethylbenzylammonium diiodochloride  
 MF C10 H16 N . Cl I2  
 SR CA  
 LC STN Files: ANABSTR, CA, CAPLUS

CM 1  
CRN 17705-05-4  
CMF C1 I2

$\text{Cl}-\text{I}^--\text{I}$

CM 2  
CRN 14800-24-9  
CMF C10 H16 N

$\text{Me}_3^+\text{N}-\text{CH}_2-\text{Ph}$

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s triethylbenzylammonium  
L28 16 TRIETHYLBENZYLAMMONIUM

=> d 128

L28 ANSWER 1 OF 16 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 375814-55-4 REGISTRY  
ED Entered STN: 17 Dec 2001  
CN Benzenemethanaminium, N,N,N-triethyl-, chloroiodoiodate(1-) (9CI) (CA  
INDEX NAME)  
OTHER NAMES:  
CN Triethylbenzylammonium diiodochloride  
DR 404824-42-6  
MF C13 H22 N . C1 I2  
SR CA  
LC STN Files: ANABSTR, CA, CAPLUS, TOXCENTER

CM 1  
CRN 17705-05-4  
CMF C1 I2

$\text{Cl}-\text{I}^--\text{I}$

CM 2  
CRN 16652-03-2  
CMF C13 H22 N

Et<sub>3</sub><sup>+</sup>N—CH<sub>2</sub>—Ph

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5 REFERENCES IN FILE CA (1907 TO DATE)  
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

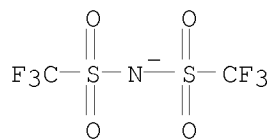
=> s tributylbenzylammonium  
L29 10 TRIBUTYLBENZYLAMMONIUM

=> d 129

L29 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1040396-63-1 REGISTRY  
ED Entered STN: 12 Aug 2008  
CN Benzenemethanaminium, N,N,N-tributyl-, salt with  
1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1) (CA  
INDEX NAME)  
OTHER NAMES:  
CN Tributylbenzylammonium bis(trifluoromethanesulfonyl)imide  
MF C19 H34 N . C2 F6 N O4 S2  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 98837-98-0  
CMF C2 F6 N O4 S2



CM 2

CRN 54225-72-8  
CMF C19 H34 N

(n-Bu)<sub>3</sub><sup>+</sup>N—CH<sub>2</sub>—Ph

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s trimethylethylammonium  
L30 19 TRIMETHYLETHYLAMMONIUM

=> d 130

L30 ANSWER 1 OF 19 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1092562-70-3 REGISTRY  
ED Entered STN: 05 Jan 2009

CN Ethanaminium, N,N,N-trimethyl-, (2Z)-2-butenedioate (2:1) (CA INDEX NAME)

OTHER NAMES:

CN Bis(trimethylethylammonium) maleate

FS STEREOSEARCH

MF C5 H14 N . 1/2 C4 H2 O4

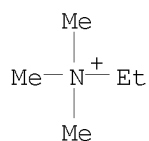
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 15302-88-2

CMF C5 H14 N

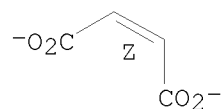


CM 2

CRN 142-44-9

CMF C4 H2 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s tributylethylammonium

L31 17 TRIBUTYLETHYLAMMONIUM

=> d l31

L31 ANSWER 1 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN

RN 1092562-84-9 REGISTRY

ED Entered STN: 05 Jan 2009

CN 1-Butanaminium, N,N-dibutyl-N-ethyl-, potassium (2Z)-2-butenedioate  
(1:1:1) (CA INDEX NAME)

OTHER NAMES:

CN Potassium tributylethylammonium maleate

FS STEREOSEARCH

MF C14 H32 N . C4 H3 O4 . K

SR CA

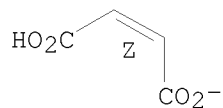
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 18610-42-9

CMF C4 H3 O4

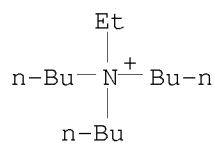
Double bond geometry as shown.



CM 2

CRN 16208-32-5

CMF C14 H32 N



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s triethylmethylammonium  
L32 93 TRIETHYLMETHYLAMMONIUM

=> d 132

L32 ANSWER 1 OF 93 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1092562-71-4 REGISTRY  
ED Entered STN: 05 Jan 2009  
CN Ethanaminium, N,N-diethyl-N-methyl-, potassium (2Z)-2-butenedioate (1:1:1)  
(CA INDEX NAME)

OTHER NAMES:

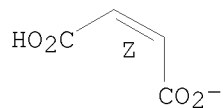
CN Potassium triethylmethylammonium maleate  
FS STEREOSEARCH  
MF C7 H18 N . C4 H3 O4 . K  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 18610-42-9

CMF C4 H3 O4

Double bond geometry as shown.

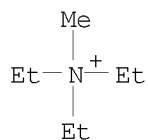


CM 2

CRN 302-57-8

CMF C7 H18 N





1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

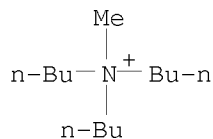
=> s tributylmethyllammonium  
L33 37 TRIBUTYLMETHYLLAMMONIUM

=> d 133

L33 ANSWER 1 OF 37 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1092562-81-6 REGISTRY  
ED Entered STN: 05 Jan 2009  
CN 1-Butanaminium, N,N-dibutyl-N-methyl-, potassium (2Z)-2-butenedioate  
(1:1:1) (CA INDEX NAME)  
OTHER NAMES:  
CN Potassium tributylmethyllammonium maleate  
FS STEREOSEARCH  
MF C13 H30 N . C4 H3 O4 . K  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

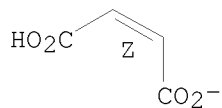
CRN 29814-63-9  
CMF C13 H30 N



CM 2

CRN 18610-42-9  
CMF C4 H3 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s diisopropyldiethylammonium  
L34 0 DIISOPROPYLDIETHYLLAMMONIUM

```

=> s diisopropyl diethyl ammonium
      13977 DIISOPROPYL
      1013832 DIETHYL
      101517 AMMONIUM
L35      0 DIISOPROPYL DIETHYL AMMONIUM
          (DIISOPROPYL(W)DIETHYL(W)AMMONIUM)

=> s diisopropyl ethyl methyl ammonium
      13977 DIISOPROPYL
      14263192 ETHYL
          17 ETHYLS
      14263192 ETHYL
          (ETHYL OR ETHYLS)
      30772696 METHYL
          99 METHYLS
      30772696 METHYL
          (METHYL OR METHYLS)
      101517 AMMONIUM
L36      1 DIISOPROPYL ETHYL METHYL AMMONIUM
          (DIISOPROPYL(W)ETHYL(W)METHYL(W)AMMONIUM)

```

```

=> d 136

```

```

L36  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2009 ACS on STN
RN   769158-60-3  REGISTRY
ED   Entered STN:  26 Oct 2004
CN   2-Propanaminium, N-ethyl-N-methyl-N-(1-methylethyl)-, sulfate (1:1)  (CA
      INDEX NAME)

```

OTHER NAMES:

```

CN   Diisopropylethylmethylammonium hydrogen sulfate
MF   C9 H22 N . H O4 S
SR   CA
LC   STN Files:   CA, CAPLUS, USPAT2, USPATFULL

```

```

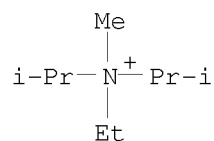
CM   1

```

```

CRN   68714-15-8
CMF   C9 H22 N

```



```

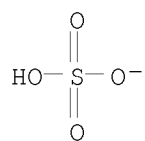
CM   2

```

```

CRN   14996-02-2
CMF   H O4 S

```



1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

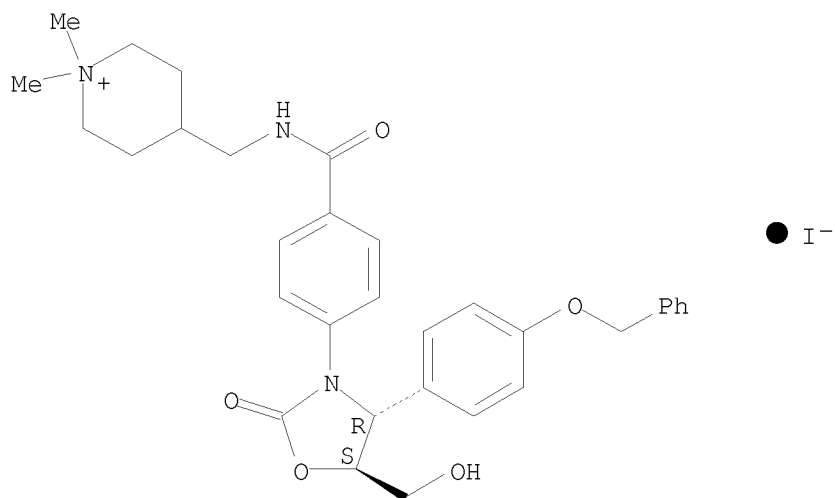
```
=> s diisopropyl ethyl benzyl ammonium
    13977 DIISOPROPYL
    14263192 ETHYL
        17 ETHYLS
    14263192 ETHYL
        (ETHYL OR ETHYLS)
    346277 BENZYL
        9 BENZYLs
    346277 BENZYL
        (BENZYL OR BENZYLs)
    101517 AMMONIUM
L37      0 DIISOPROPYL ETHYL BENZYL AMMONIUM
        (DIISOPROPYL(W)ETHYL(W)BENZYL(W)AMMONIUM)
```

```
=> s dimethylpiperidinium
L38      649 DIMETHYLPYPERIDINIUM
```

```
=> d 138
```

```
L38  ANSWER 1 OF 649  REGISTRY  COPYRIGHT 2009 ACS on STN
RN   1048011-77-3  REGISTRY
ED   Entered STN:  09 Sep 2008
CN   Piperidinium, 4-[[[4-[(4R,5S)-5-(hydroxymethyl)-2-oxo-4-[4-(phenylmethoxy)phenyl]-3-oxazolidinyl]benzoyl]amino]methyl]-1,1-dimethyl-, iodide (1:1)  (CA INDEX NAME)
OTHER NAMES:
CN   4-[[[4-[(4R,5S)-4-[4-(Benzyloxy)phenyl]-5-(hydroxymethyl)-2-oxooxazolidin-3-yl]benzoyl]amino]methyl]-1,1-dimethylpiperidinium iodide
FS   STEREOSEARCH
MF   C32 H38 N3 O5 . I
SR   CA
LC   STN Files:  CA, CAPLUS
CRN  (1048110-92-4)
```

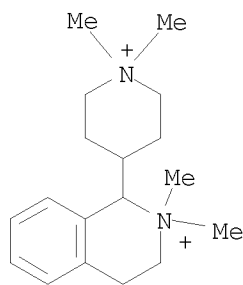
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

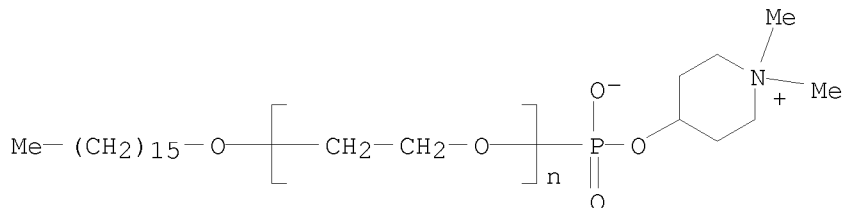
=> d 138 2

L38 ANSWER 2 OF 649 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1043875-72-4 REGISTRY  
ED Entered STN: 26 Aug 2008  
CN Isoquinolinium, 1-(1,1-dimethylpiperidinium-4-yl)-1,2,3,4-tetrahydro-  
2,2-dimethyl- (CA INDEX NAME)  
MF C18 H30 N2  
SR Other Sources  
Database: ChemDB (University of California Irvine)  
LC STN Files: CHEMCATS



=> d 138 3

L38 ANSWER 3 OF 649 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 943023-52-7 REGISTRY  
ED Entered STN: 20 Jul 2007  
CN Poly(oxy-1,2-ethanediyl),  $\alpha$ -[[[1,1-dimethylpiperidinium-4-yl)oxy]hydroxyphosphinyl]- $\omega$ -(hexadecyloxy)-, inner salt (CA INDEX NAME)  
MF (C2 H4 O)<sub>n</sub> C23 H48 N O4 P  
CI PMS  
PCT Polyether  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 138 4

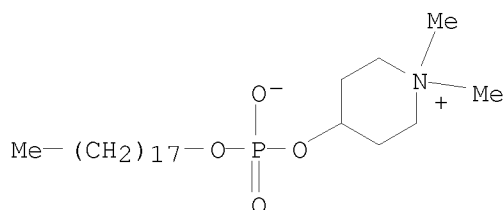
L38 ANSWER 4 OF 649 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 933064-09-6 REGISTRY  
 ED Entered STN: 29 Apr 2007  
 CN 2H-Tetrazolium, 3-(1-naphthalenyl)-2,5-diphenyl-, chloride (1:1),  
 mixt. with 4-[[hydroxy(octadecyloxy)phosphinyl]oxy]-1,1-  
 dimethylpiperidinium inner salt (CA INDEX NAME)

OTHER NAMES:

CN D-21266-Tetrazolium violet mixture  
 MF C25 H52 N O4 P . C23 H17 N4 . Cl  
 CI MXS  
 SR CA  
 LC STN Files: CA, CAPLUS

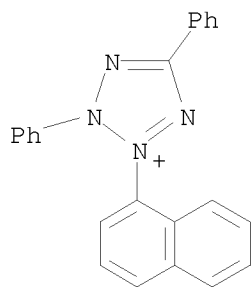
CM 1

CRN 157716-52-4  
 CMF C25 H52 N O4 P



CM 2

CRN 1719-71-7 (134102-55-9)  
 CMF C23 H17 N4 . Cl



● Cl<sup>-</sup>

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

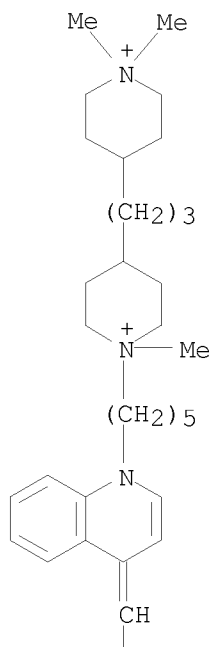
=> s dimethyl piperidinium  
 7918911 DIMETHYL  
 4 DIMETHYLS  
 7918911 DIMETHYL  
 (DIMETHYL OR DIMETHYLS)

22714 PIPERIDINIUM  
 L39 650 DIMETHYL PIPERIDINIUM  
 (DIMETHYL(W)PIPERIDINIUM)

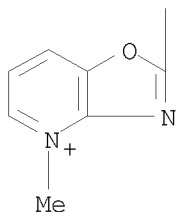
=> d 138 5

L38 ANSWER 5 OF 649 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 928817-27-0 REGISTRY  
 ED Entered STN: 30 Mar 2007  
 CN Oxazolo[4,5-b]pyridinium, 2-[[[1-[5-[4-[3-(1,1-dimethylpiperidinium-4-yl)propyl]-1-methylpiperidinio]pentyl]-4(1H)-quinolinylidene]methyl]-4-methyl- (CA INDEX NAME)  
 MF C38 H56 N5 O  
 CI COM  
 SR CA

PAGE 1-A



PAGE 2-A

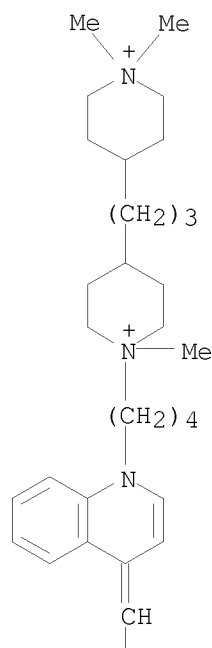


=> d 138 6

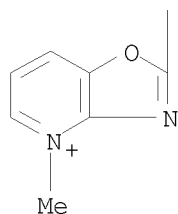
L38 ANSWER 6 OF 649 REGISTRY COPYRIGHT 2009 ACS on STN

RN 928817-26-9 REGISTRY  
 ED Entered STN: 30 Mar 2007  
 CN Oxazolo[4,5-b]pyridinium, 2-[[[1-[4-[4-[3-(1,1-dimethylpiperidinium-4-yl)propyl]-1-methylpiperidinio]butyl]-4(1H)-quinolinylidene]methyl]-4-methyl- (CA INDEX NAME)  
 MF C37 H54 N5 O  
 CI COM  
 SR CA

PAGE 1-A



PAGE 2-A

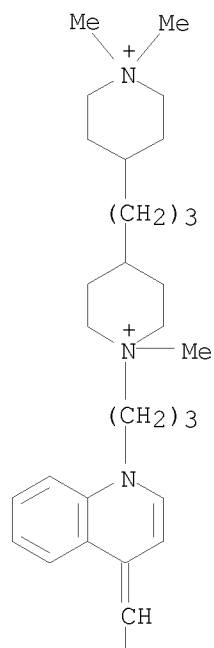


=> d 138 7

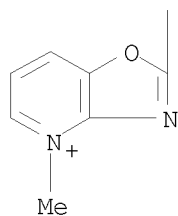
L38 ANSWER 7 OF 649 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 928817-25-8 REGISTRY  
 ED Entered STN: 30 Mar 2007  
 CN Oxazolo[4,5-b]pyridinium, 2-[[[1-[3-[4-[3-(1,1-dimethylpiperidinium-4-yl)propyl]-1-methylpiperidinio]propyl]-4(1H)-quinolinylidene]methyl]-4-methyl- (CA INDEX NAME)  
 MF C36 H52 N5 O  
 CI COM

SR CA

PAGE 1-A



PAGE 2-A

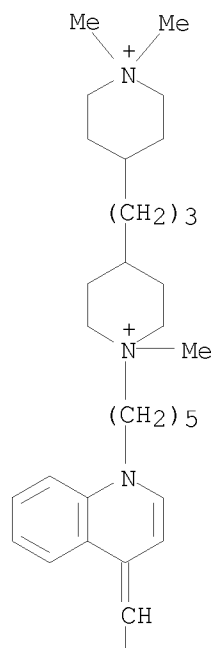


=> d 138 8

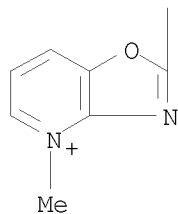
L38 ANSWER 8 OF 649 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 928757-05-5 REGISTRY  
ED Entered STN: 30 Mar 2007  
CN Oxazolo[4,5-b]pyridinium, 2-[[[1-[5-[4-[3-(1,1-dimethylpiperidinium-4-yl)propyl]-1-methylpiperidinio]pentyl]-4(1H)-quinolinylidene]methyl]-4-methyl-, iodide (1:3) (CA INDEX NAME)  
MF C38 H56 N5 O . 3 I  
SR CA  
LC STN Files: CA, CAPLUS  
CRN (928817-27-0)



PAGE 1-A



PAGE 2-A



● 3 I<sup>-</sup>

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

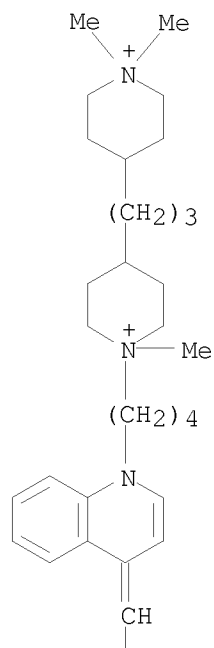
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 138 9

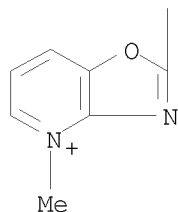
L38 ANSWER 9 OF 649 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 928757-04-4 REGISTRY  
ED Entered STN: 30 Mar 2007  
CN Oxazolo[4,5-b]pyridinium, 2-[[[1-[4-[4-[3-(1,1-dimethylpiperidinium-4-yl)propyl]-1-methylpiperidinio]butyl]-4(1H)-quinolinylidene]methyl]-4-methyl-, iodide (1:3) (CA INDEX NAME)  
MF C37 H54 N5 O . 3 I  
SR CA

LC STN Files: CA, CAPLUS  
CRN (928817-26-9)

PAGE 1-A



PAGE 2-A



● 3 I<sup>-</sup>

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

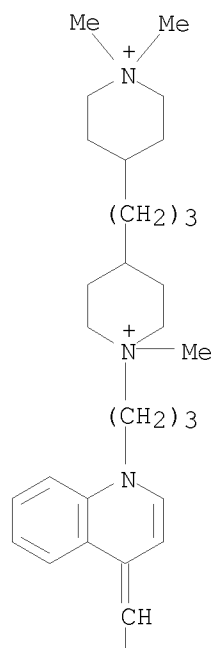
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 138 10

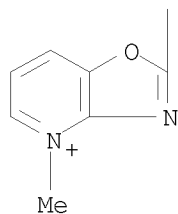
L38 ANSWER 10 OF 649 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 928757-03-3 REGISTRY  
ED Entered STN: 30 Mar 2007  
CN Oxazolo[4,5-b]pyridinium, 2-[[[1-[3-[4-[3-(1,1-dimethylpiperidinium-4-yl)propyl]-1-methylpiperidinio]propyl]-4(1H)-quinolinylidene]methyl]-4-

methyl-, iodide (1:3) (CA INDEX NAME)  
 MF C36 H52 N5 O . 3 I  
 SR CA  
 LC STN Files: CA, CAPLUS  
 CRN (928817-25-8)

PAGE 1-A



PAGE 2-A



● 3 I<sup>-</sup>

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 138 11

L38 ANSWER 11 OF 649 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 927820-62-0 REGISTRY

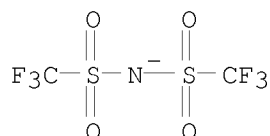
ED Entered STN: 21 Mar 2007  
CN Piperidinium, 1,1-dimethyl-, salt with  
1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1) (CA  
INDEX NAME)

OTHER NAMES:

CN N-Dimethylpiperidinium bis(trifluoromethanesulfonyl)imide  
MF C7 H16 N . C2 F6 N O4 S2  
SR CA  
LC STN Files: CA, CAPLUS

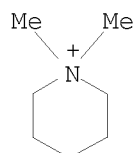
CM 1

CRN 98837-98-0  
CMF C2 F6 N O4 S2



CM 2

CRN 15302-91-7  
CMF C7 H16 N



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s dimethyl morpholinium  
7918911 DIMETHYL  
4 DIMETHYLS  
7918911 DIMETHYL  
(DIMETHYL OR DIMETHYLS)  
11983 MORPHOLINIUM  
L40 92 DIMETHYL MORPHOLINIUM  
(DIMETHYL(W)MORPHOLINIUM)

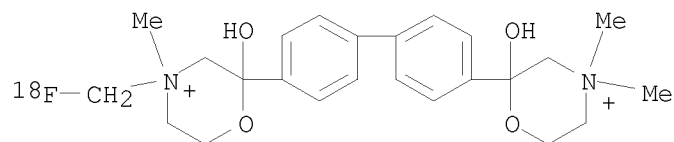
=> d 140

L40 ANSWER 1 OF 92 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 938063-60-6 REGISTRY  
ED Entered STN: 20 Jun 2007  
CN Morpholinium, 4-(fluoro-18F-methyl)-2-hydroxy-2-[4'-(2-hydroxy-4,4-dimethylmorpholinium-2-yl)[1,1'-biphenyl]-4-yl]-4-methyl-, iodide, salt  
with 1,1,1-trifluoromethanesulfonic acid (1:1:1) (CA INDEX NAME)

MF C24 H33 F N2 O4 . C F3 O3 S . I  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER

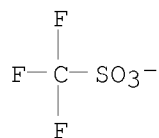
CM 1

CRN 938063-59-3  
CMF C24 H33 F N2 O4



CM 2

CRN 37181-39-8  
CMF C F3 O3 S

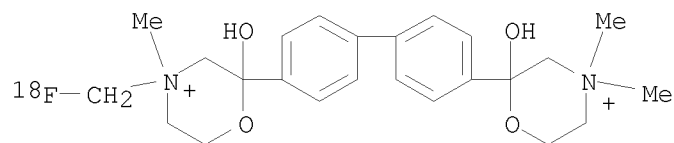


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 140 2

L40 ANSWER 2 OF 92 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 938063-59-3 REGISTRY  
ED Entered STN: 20 Jun 2007  
CN Morpholinium, 4-(fluoro-18F-methyl)-2-hydroxy-2-[4'-(2-hydroxy-4,4-dimethylmorpholinium-2-yl)[1,1'-biphenyl]-4-yl]-4-methyl- (CA INDEX NAME)  
MF C24 H33 F N2 O4  
CI COM  
SR CA

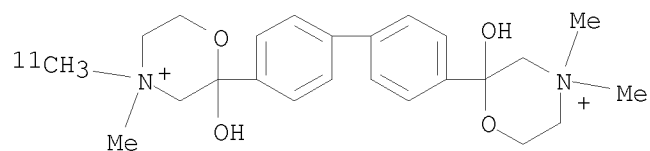


=> d 140 3

L40 ANSWER 3 OF 92 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 938063-56-0 REGISTRY  
 ED Entered STN: 20 Jun 2007  
 CN Morpholinium, 2-hydroxy-2-[4'-(2-hydroxy-4,4-dimethylmorpholinium-2-yl)[1,1'-biphenyl]-4-yl]-4-methyl-4-(methyl-11C)-, iodide, salt with 1,1,1-trifluoromethanesulfonic acid (1:1:1) (CA INDEX NAME)  
 MF C24 H34 N2 O4 . C F3 O3 S . I  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER

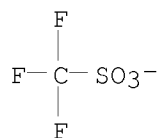
CM 1

CRN 938063-55-9  
 CMF C24 H34 N2 O4



CM 2

CRN 37181-39-8  
 CMF C F3 O3 S

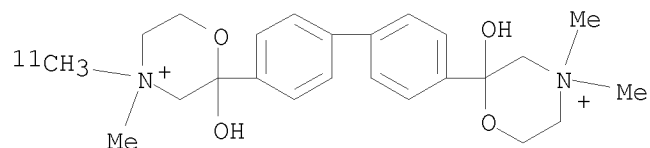


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 140 4

L40 ANSWER 4 OF 92 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 938063-55-9 REGISTRY  
 ED Entered STN: 20 Jun 2007  
 CN Morpholinium, 2-hydroxy-2-[4'-(2-hydroxy-4,4-dimethylmorpholinium-2-yl)[1,1'-biphenyl]-4-yl]-4-methyl-4-(methyl-11C)- (CA INDEX NAME)  
 MF C24 H34 N2 O4  
 CI COM  
 SR CA



=> d 140 5

L40 ANSWER 5 OF 92 REGISTRY COPYRIGHT 2009 ACS on STN

RN 352556-72-0 REGISTRY

ED Entered STN: 24 Aug 2001

CN Morpholinium, 4,4-dimethyl-, salt with  
2,2'-(4-oxo-2H-cyclopenta[2,1-b:3,4-b']dithiophene-2,6(4H)-  
diylidene)bis[propanedinitrile] (1:2) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Propanedinitrile, 2,2'-(4-oxo-2H-cyclopenta[2,1-b:3,4-b']dithiophene-  
2,6(4H)-diylidene)bis-, radical ion(1-), 4,4-dimethylmorpholinium, compd.  
with 2,2'-(4-oxo-2H-cyclopenta[2,1-b:3,4-b']dithiophene-2,6(4H)-  
diylidene)bis[propanedinitrile] (1:1) (9CI)

MF C15 H2 N4 O S2 . C15 H2 N4 O S2 . C6 H14 N O

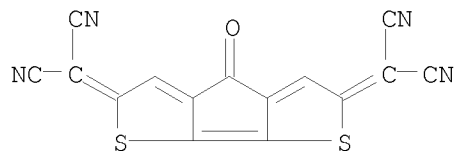
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 209348-33-4

CMF C15 H2 N4 O S2



CM 2

CRN 352556-71-9

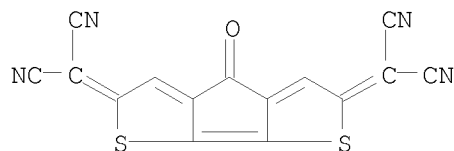
CMF C15 H2 N4 O S2 . C6 H14 N O

CM 3

CRN 209348-31-2

CMF C15 H2 N4 O S2

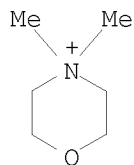
CCI RIS



CM 4

CRN 38170-33-1

CMF C6 H14 N O

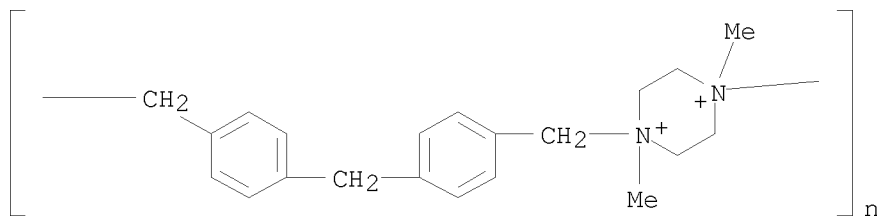


1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s dimethyl piperazinium  
7918911 DIMETHYL  
4 DIMETHYLS  
7918911 DIMETHYL  
(DIMETHYL OR DIMETHYLS)  
7305 PIPERAZINIUM  
L41 482 DIMETHYL PIPERAZINIUM  
(DIMETHYL(W)PIPERAZINIUM)

=> d 141

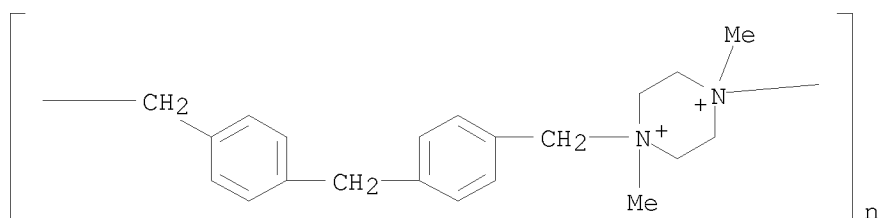
L41 ANSWER 1 OF 482 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1152811-03-4 REGISTRY  
ED Entered STN: 07 Jun 2009  
CN Poly[(1,4-dimethylpiperazinium-1,4-diyl)methylene-1,4-phenylenemethylene-1,4-phenylenemethylene] (CA INDEX NAME)  
MF (C21 H28 N2)n  
CI PMS, COM  
PCT Polyionene  
SR CA



=> d 141 2

L41 ANSWER 2 OF 482 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1152722-58-1 REGISTRY  
ED Entered STN: 05 Jun 2009  
CN Poly[(1,4-dimethylpiperazinium-1,4-diyl)methylene-1,4-phenylenemethylene-1,4-phenylenemethylene chloride (1:2)] (CA INDEX NAME)  
MF (C21 H28 N2)n . 2 Cl  
AF (C21 H28 N2 . 2 Cl)n  
CI PMS  
PCT Polyionene  
SR CA  
LC STN Files: CA, CAPLUS  
CRN (1152811-03-4)





● 2 Cl<sup>-</sup>

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF  
LOGOFF? (Y)/N/HOLD:n

=> s glycolic acid

3064 GLYCOLIC  
12552555 ACID  
8521 ACIDS  
12558696 ACID

(ACID OR ACIDS)

L42 3020 GLYCOLIC ACID  
(GLYCOLIC(W)ACID)

=> d 142

L42 ANSWER 1 OF 3020 REGISTRY COPYRIGHT 2009 ACS on STN

RN 1169686-52-5 REGISTRY

ED Entered STN: 27 Jul 2009

CN Butanoic acid, 4-amino-, polymer with 2-hydroxyacetic acid and  
2-hydroxypropanoic acid (CA INDEX NAME)

OTHER NAMES:

CN Lactic acid-glycolic acid-γ-aminobutyric acid copolymer

MF (C4 H9 N O2 . C3 H6 O3 . C2 H4 O3)x

CI PMS

PCT Polyamide, Polyamide formed, Polyester, Polyester formed

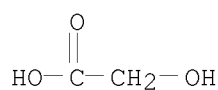
SR CA

LC STN Files: CA, CAPLUS

CM 1

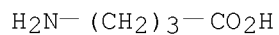
CRN 79-14-1

CMF C2 H4 O3



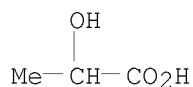
CM 2

CRN 56-12-2  
CMF C4 H9 N O2



CM 3

CRN 50-21-5  
CMF C3 H6 O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

300.18

352.76

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-0.82

STN INTERNATIONAL LOGOFF AT 12:05:49 ON 21 OCT 2009